AMENDMENTS TO THE SPECIFICATION

Kindly replace the paragraph beginning at line 23 of page 6 which carries over to line 6 of page 7, with the following paragraph:

The invention also relates to the DNA sequences coding for ~~an~~ protein having enzyme activity of a processive glycosyl transferase from *Bacillus subtilis* and/or *Staphylococcus aureus*. Further the invention is directed to DNA sequences coding for a protein which shows at least 50 %, preferably at least 70 %, more preferably at least 90 %, and most preferably at least 95 % identity with the deduced protein of ypfP (Clustal X). More particular, the DNA sequence codes for a protein having more than 5 amino acids within the amino acid sequence EHQPDIII (SEQ ID NO. 5) which are identical with the amino acid sequence of the proteins from *B. subtilis* and/or *S. aureus*, preferably having more than 6 amino acids within the amino acid sequence QVVVVCGKN (SEQ ID NO. 6) or the amino acid sequence DCMITKPG (SEQ ID NO. 7) which are identical with the amino acid sequence of the proteins from *B. subtilis* and/or *S. aureus*. More preferably, the DNA sequence codes for a protein the amino acid sequence of which comprises the amino acid sequence MITKPGGITxTE (SEQ ID NO. 8) (wherein x is any amino acid), or the amino acid sequence VKxTGIPI (SEQ ID NO. 9) (wherein x is any AA) or the amino acid sequence of which comprises more than 5 amino acids within the sequence ZPDIIIxxxP (SEQ ID NO. 10) (wherein Z represents the amino acid Q or K and x is any amino acid) which are identical to the sequence found in *Bacillus subtilis* and/or *Staphylococcus aureus*.

E1

Kindly replace the paragraph on page 8 beginning at line 5, with the following paragraph:

E. coli XL1 Blue (MRF') (Stragene), *E. coli* BL21 (DE3) (Novagen) and *Bacillus substilis* 019 were grown at 37°C in a Luria Broth (LB) (Sambrook et al., 1989). For plasmid-bearing *E. coli* strains, the antibiotics ampicillin (100 µg ml) and kanamycin (30 µg ml) were included in the medium. The vectors pUC18 (Yanish-Perron et al., 1985) and pET24c(+) and pET24d(+) (Novagen) were used as cloning vectors. The *ypfP* genes were isolated from genomic DNA of *B. subtilis* and *S. aureus* by PCR. For this purpose the specific primers PJ1 (5'-CCGAGCTCCCATATGAATACCAATAAAAGAG 3') (SEQ ID NO. 11) and PJ2 (5' TCCGGATCCTTACGATAGCACTTTGGC 3') (SEQ ID NO. 12) for *B. substilis ypfP* and the

E2

primers PJ10 5' TTCCATGGTTACTCAAAATAAAAAAGATATTG 3' (SEQ ID NO. 13) and PJ11 5' TTTGGATCCTTATTTAACGAAGAATCTTGCATATAA 3' (SEQ ID NO. 14) for the *S. aureus* gene (*say*) were used, the underlined part of which annealed to the 5' and 3' end of the *ypfP/say* genes. The following amplification program was used: 10 min at 94°C; 30 cycles of 0.5 min at 55°C and 60°C for *S. aureus ypfP*, respectively, 2 min at 72°C, 1 min at 94°C; one cycle of 10 min at 74°C, *Pwo*-polymerase (Boehringer) was used for the amplification of the 1170 bp product of the genomic DNA of *B. subtilis*, *Pfu*-polymerase (Stratagene) was used for the amplification of the 1190 bp product from *S. aureus* genomic DNA. The amplified genes were cloned into *Sma*I-linearized pUC18 vector, resulting in *pypfP*3 and p*say*1. For construction of the expression vectors pE*ypfP* 24 and pE*say*24, the *ypfP* fragments were released by *Bam*HI and *Nde*I and *Nco*I digestion, respectively, from p*ypfP*3 and *psay*1, and inserted into *Bam*Hi-, *Nde*I- and *Nco*I-linearized pET24c(+) and pET24d(+), respectively. *E. coli* XL1 Blue (MRF') was transformed with p*ypfP*3 and p*say*1 and *E. coli* BL21 (DE3) was transformed with pE*ypfP*24 and pE*say*24. Correct in-frame cloning was confirmed by sequencing. One strand of the DNA of p*ypfP*3 and p*say*1 was sequenced using the dideoxy method (automatic sequencer 373A and 377, Applied Biosystems). For computer analysis of the sequences, Clone manager for Windows 4.1 (Scientific and Educational Software) was used. Database searches were performed using the BLAST algorithm (Altschul et al., 1990). Sequence alignments were performed using Clustal X (Higgins and Sharp, 1988).

E2

Kindly replace the paragraph heading beginning immediately after the "*Nucleotide Sequence*" heading on page 24 at approximately line 8 with the following paragraph:

E3

B. subtilis ypfP (SEQ ID NO. 1)

Kindly replace the paragraph heading on page 24 at line 26 with the following paragraph:

E4

S. aureus ypfP (SEQ ID NO. 3)

Kindly replace the paragraph heading on page 25 at line 9 with the following paragraph:

B. subtilis YpfP (SEQ ID NO. 2)

Kindly replace the paragraph heading on page 25 at line 20 with the following paragraph:

E5 *S. aureus* YpfP (SEQ ID NO. 4)